

Hagedorn



United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

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PAACH0004200300032

December 29, 2014

RECEIVED
JAN 12 2015
Division Director (3AP00)

Ms. Gail Eddings
Allegheny County Health Department
Department of Air Quality
301 Thirty-Ninth Street
Pittsburgh, PA 15201

Subject: USS Reference Number: 14-0373
ACHD Reference Number: N/A
Sulfur Plant
USS Clairton Works

Dear Gail Eddings,

The attached form confirms our verbal report of the subject incident and satisfies the requirements of paragraph IV.8 of the Title V operating permit #0052 as issued on March 27th 2012.

I certify that based on the information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. Any questions concerning this matter should be referred to Coleen M. Davis at 412-233-1015.

Sincerely,

A handwritten signature in black ink, appearing to read "Tom E. Schumacher", written over a horizontal line.

Thomas E. Schumacher
Plant Manager
Clairton Works

CC: James W. Hagedorn (USEPA)

ED_002508A_00000110-00001

NOTICE OF OUTAGE OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 14-0373
ACHD Reference Number: N/A
2. Date & Time of Breakdown: Date: 12/28/14 Time: 1645 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: Sulfur Plant
5. BAPC Permit Number (if applicable):
6. Location: Clairton, PA

Nature and cause of breakdown: Blockage occurred in the rich solution of the 101-E Absorber at the 100 Vacuum Carbonate Unit. As a result, the 40 grain H₂S limit at the Sulfur Plant was momentarily exceeded.

8. Identification of Emissions:

- A. Type(s) (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)
Elevated H₂S in the down river gas line system, causing increased SO₂ at points of combustion.
- B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO₂ is an eye, nose, and throat irritant.
- C. Amount of each type emitted (or likely to be emitted).
Light

9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).
The problem was resolved and normal operations resumed.

10. Facility back in operation - Date: 12/28/14 Time: 1900 hours

Reviewed by Michael G. Dzurinko Date 12-29-2014
Michael G. Dzurinko
Director, Environmental Control Phone: 412-233-1467